

Abstract

A conveyor (30) having a plurality of buckets (60) lined up in and fixed to an inner side of a frame (10) is supported so that the conveyor can be circulated in the shape of a loop and substantially horizontally in a substantially vertical plane via rotary shafts (20). The frame (10) is supported so that the frame can be slidingly moved in the vertical direction around guide rods (50) stood up on a river bottom. Gas-containing floats (40) are fixed to the frame (10) to float the frame on the surface of the river flowing water. The river flowing water is made to flow into the buckets (60) lined up on the outer surface of the lower circulating portion (32) of the conveyor, and the conveyor (30) is thereby circulated. A generator (70) connected to one of the rotary shafts (20) supporting the conveyor (30) is thereby rotated.